SwemaFlow 4001

Air flow Hood

SwemaFlow 4001 is ideal for testing, adjusting and balancing (TAB) of air flows up to 1500l/s , 3100cfm. SwemaFlow 4001 uses the proven Swema principle, a net of hot wires, which gives a good and accurate mean value for supply and exhaust air flows. Measured values can be stored and transferred to PC.

SwemaFlow 4001 Twin is additionally equipped with a built-in Bluetooth modem. Proportional balancing is made easy by wireless communication with a Swema 3000 or SwemaMan 8 placed on the reference valve.

Exchangable hoods

A rectangular alternative hood is available for supplies and exhausts. The standard 650x650 hood can be equipped with a cross to disrupt the swirl created by swirl diffusers. A "Flow factor" can scale the flow, which could be useful when balancing a ventilation system.

Barometer, temperature

Temperature and barometric pressure are measured to present the flow at Real or Standard density. Select Real or Standard flow with the PC-setting.

Part.No. 770070
SwemaFlow 4001, 650x650 mm hood, charger (230 V), USB cable, calibration certificate, manual & case.

Accessories

250x1200mm hood
Part.No. 764420

650x650mm Cross for Swirl Diffusers
Part.No. 769630

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Technical Data

Measurement range

Air flow:	3...1500l/s (10.8...5400m³/h)

Measurement uncertainty

Air flow:	±3,5% read value, min ±0.5l/s
	7...3100cfm; ±3,5% read value, min ±1.1cfm
Temperature:	0...50°C; ±0.6°C <50l/s, ±0.4°C >50 l/s
	32...122°F; ±1.1°F <106cfm, ±0.7°F >106cfm
Atmospheric pressure:	600...1200hPa; ±3.5hPa
	18...35 inHg; ±0.1inHg

Measuring method according to EN 16211:215 ST 31 and ET 21.

(Uncertainty according to GUM (JCGM 100:2008) using a coverage factor of 2, which for a normal distribution corresponds to a probability of 95%. It is important to correct the measurement values with the corrections stated in the calibration certificate to obtain the above uncertainties.

Non condensing, non moist air, <80%RH, non aggressive gases.)

General

Memory:	9999 measurements
Size:	1120x680x680 mm (with Hood 650x650mm)
Weight:	3.7kg (with Hood 650x650mm)
Battery charging time:	<4 hours

Measuring principle

Mass flow, net of hot wires

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